

At page 2, l. 10, after "sperm." delete "t".

At page 2, l. 10, before "current" replace "the" with --The--.

At page 10, l. 30, after "PCT Publication No." replace "_____" with --WO 99/33956--.

At page 12, l. 10, replace "principals" with --principles--.

At page 12, l. 24, after "PCT Publication No." replace "_____" with --WO 99/33956--.

At page 18, l. 21, after "embryos" replace "hane" with --have--.

At page 23, l. 24, replace "weree" with --were--.

At page 23, l. 26, replace "circumstance" with --circumstance--.

At page 27, l. 19-20, delete the hard return between "mean" and "duration".

At page 32, l. 8, replace "grop" with --group--.

At page 33, l. 33, replace "arabian" with --Arabian--.

At page 33, l. 3, in the expression "(P>O.1)" replace "O" with --0--.

At page 36, l. 4, replace "p reovulatory" with --preovulatory--.

At page 37, l. 22, replace "chromosomebearing" with --chromosome bearing--.

At page 38, following line 11 and prior to line 25, delete Table 2 and replace Table 2 with the

following table --

Table 2 Pregnancy Rates Following Insemination With 25×10^6 Sexed Spermatozoa

Treatment Group	No. Mares Inseminated	No. Mares	No. Mares	Predicted*		Actual	
		Pregnant	Pregnant	%			
		at 16 d	at 60 d	♂	♀	♂	♀
EZ-Mixin	10	3 ^a	1	78	89	**	1/1
4% EY + EZ-Mixin	10	5 ^a	4	84	87	3/3	1/1

^a No significant difference ($P > 0.1$).

*Results of reanalysis for relative DNA content of aliquots of sorted X- and Y-bearing sperm populations.

** Lost pregnancy prior to sex determination

Table 2--

The replacement table removes the improper hard returns in the columns and replaces "O" in the expression " $(P > 0.1)$ " with --0--.

At page 40, l. 10, replace "Adth" with --and--.

In the claims:

Kindly amend the claims as amended under Article 34, PCT as follows:

Claim 15 (once amended).

15 A method of producing an equid comprising the steps of:

- determining an estimated time of estrus of a female equid, said female equid having two uterine horns, each uterine horn having a tip [and a follicle];
- collecting equine sperm cells from a male equid;
- establishing an equine insemination sample containing at least some of said equine sperm cells from said male equid;